

CLAIMS

1. A greater trochanter re-attachment device for use in transfemoral revision surgery comprising an attachment means adapted for securing to a femoral prosthesis with which it is to be used, said attachment means carrying adjustable securing means adapted to extend from the attachment means and pass around the flap of bone containing the greater trochanter and which, when secured in position, holds the greater trochanter in position in relation to the femoral prosthesis.

2. The greater trochanter re-attachment device as set forth in claim 1 wherein the attachment means comprises a threaded screw adapted for insertion in a screw threaded socket in a shoulder of the femoral prosthesis with which it is to be used.

3. The greater trochanter re-attachment device as set forth in claim 1 wherein said adjustable securing means are in the form of one or more elongated flexible ties.

4. The greater trochanter re-attachment device as set forth in claim 3 wherein the elongated flexible tie is in the form of a wire or ribbon.

5. The greater trochanter re-attachment device as set forth in claim 1 wherein the threaded screw is provided with at least one opening to receive the elongated flexible tie.

6. The greater trochanter re-attachment device as set forth in claim 1 wherein the adjustable securing means is located on a free end of a bracket which when in use extends over the proximal external surface of the greater trochanter and the other end of which carries the attachment means.

7. The greater trochanter re-attachment device as set forth in claim 6 wherein the bracket has two arms which are substantially normal to each other, the first arm having a curved re-entrant shape to extend around and over the proximal end of the greater trochanter and having a bifurcated free end provided with said adjustable securing means.

8. The greater trochanter re-attachment device as set forth in claim 7 wherein the bifurcated free ends of the first arm each include a guide or guides to locate the adjustable securing means.

9. The greater trochanter re-attachment device as set forth in claim 8 wherein the bracket is made from a synthetic plastics material or metal which is compatible with the requirements of the human body.

10. The greater trochanter re-attachment device as set forth in claim 9 wherein the bracket is made from a resilient material which can be deformed to fit the bracket to the shape of the greater trochanter with which it is used.

11. The greater trochanter re-attachment device as set forth in claim 1 in combination with a femoral prosthesis.

12. The greater trochanter re-attachment device as set forth in claim 11 wherein the femoral prosthesis is provided with a threaded bore in a proximal shoulder for receiving the attachment means.

13. A device for securing bone segments of a proximal femur after implantation of a prosthetic femoral component, comprising:

a bracket for engaging a bone segment of the proximal femur, the bracket including at least one arm extending distally along an outer surface of the femur;

a securing element for securing said bracket to said femoral component;

at least one band having first and second ends extending through a guide in said arm in a circumferential direction around the femur; and

a clamp for joining said first and second ends of said band and preventing relative movement therebetween.

14. The device as set forth in claim 13 wherein said bracket includes two spaced apart arms extending distally along the outer surface of the femur.

15. The device as set forth in claim 1 wherein said arms extend generally parallel to a longitudinal axis of the femur and said aperture extending generally perpendicular thereto.

16. The device as set forth in claim 13 wherein the femoral component includes a threaded bore and the bracket has an opening alignable with said threaded bore.

17. The device as set forth in claim 16 wherein the securing element is a threaded bolt insertable through said opening in the bracket into said threaded bore.

18. A system for clamping bone segments of a resected proximal femur around a femoral component comprising:

a femoral component having a stem extending along a longitudinal axis and having a threaded bore at a proximal end thereof;

a bracket for engaging a bone segment of the proximal femur, the bracket including a pair of generally parallel arms extending from an attachment portion;

a threaded coupling element for coupling the attachment portion of the bracket to the threaded bore of the femoral component; and

at least one elongated clamping element for extending circumferentially around the femur in a direction transverse to said longitudinal axis after said bracket engages said bone segment to clamp said bone segments around the femoral component.